

PU01-01150

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re patent application of

Yamamura et al.

Serial No.: 09/987,453

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Group Art Unit: 2615

Examiner: Unknown

For: **INFORMATION RECORDING AND REPRODUCING APPARATUS WITH A RING BUFFER AND METHOD FOR MONITORING RING BUFFER**

Assistant Commissioner of Patents  
Washington, D.C. 20231

**SUBMISSION OF FORMAL DRAWINGS**

Sir:

Submitted herewith are eight (8) sheets of formal drawings comprising figures 1 - 8 for the above-identified patent application. Acknowledgment of receipt is respectfully requested. Please substitute these formal drawings for the drawings which were filed with the application.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Sean M. McGinn".

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FIG. 1

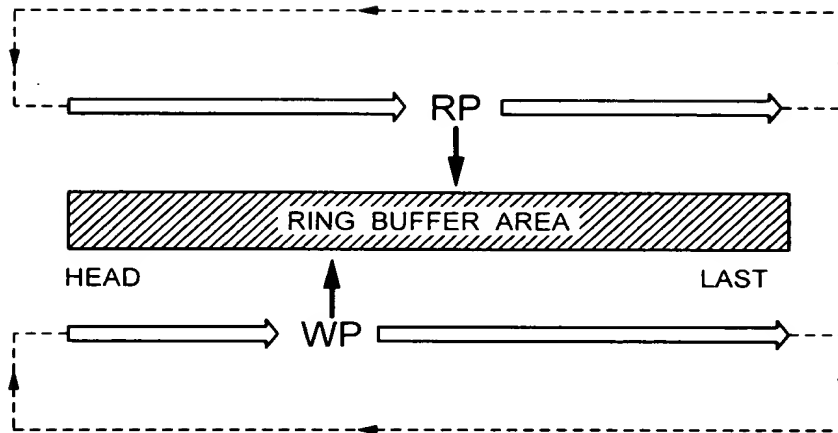


FIG. 2

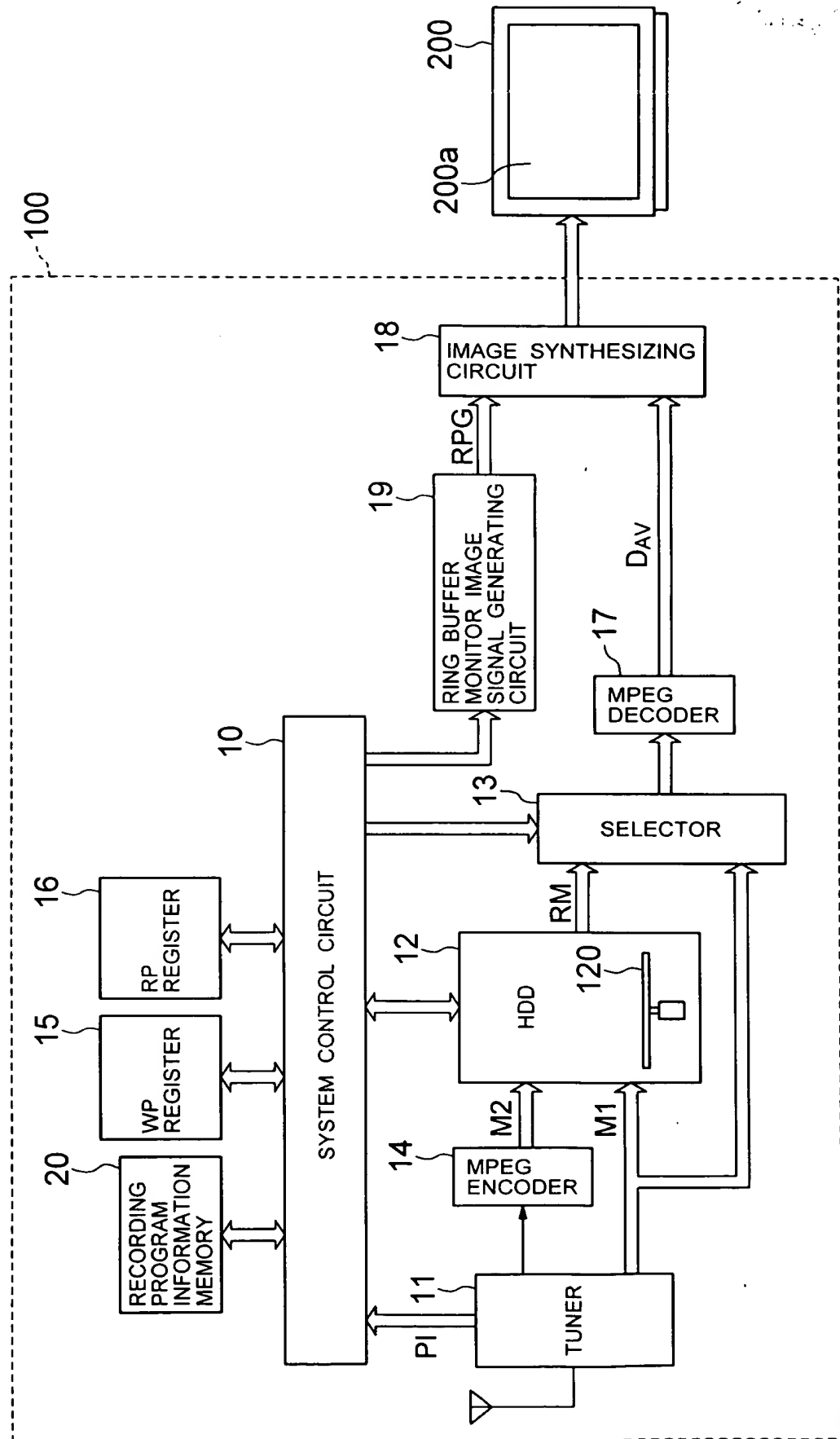




FIG. 3

ACCESSING ORDER	SECTOR	POSITION IN RING AREA
1	00000~00019	0000 (HEAD)
2	00020~00039	0001
3	00040~00059	0002
4	00060~00079	0003
⋮	⋮	⋮
n-1	98980~98999	9998
n	99000~99019	9999 (LAST)



## FIG. 4

PROGRAM INFORMATION				SECTOR
	PROGRAM NAME	GENRE	HD/SD	
1	RELAY OF PROFESSIONAL BASEBALL	SPORTS	HD	00000~02000
2	NEWS AT 9:00	NEWS	SD	02500~05000
3	SAKANO UENO KUMO	MOVIE	HD	06000~18000
4	YOTTE SOUROU	DRAMA	SD	19000~24000

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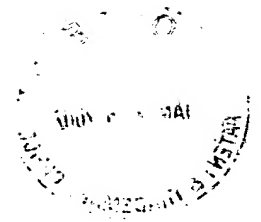


FIG. 5A

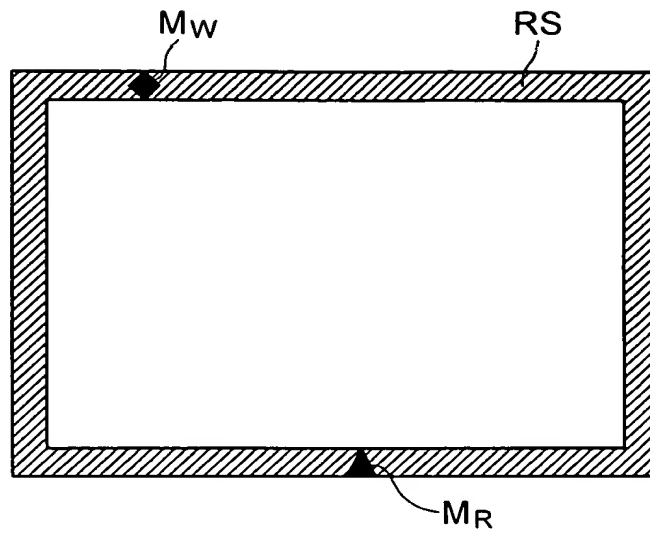


FIG. 5B

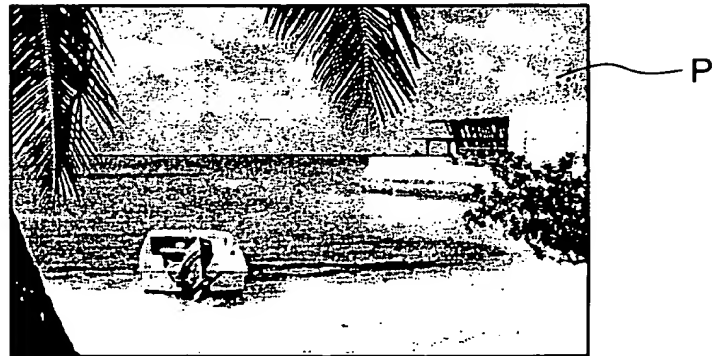


FIG. 5C

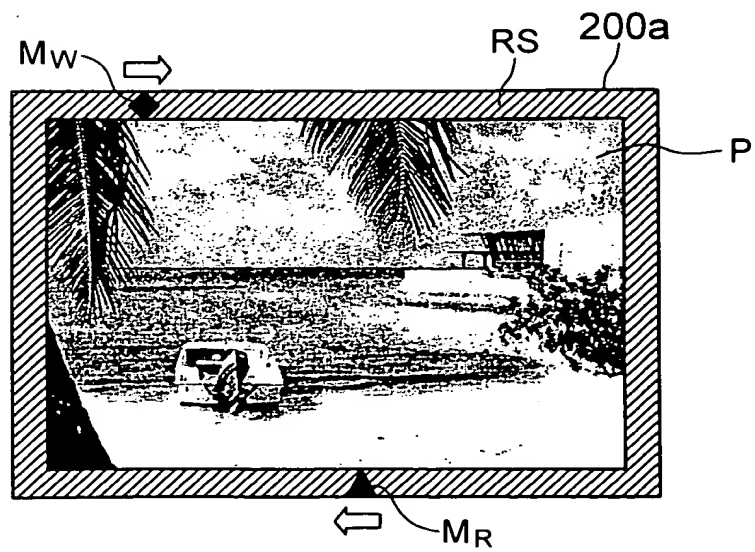


FIG. 6

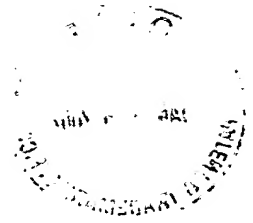
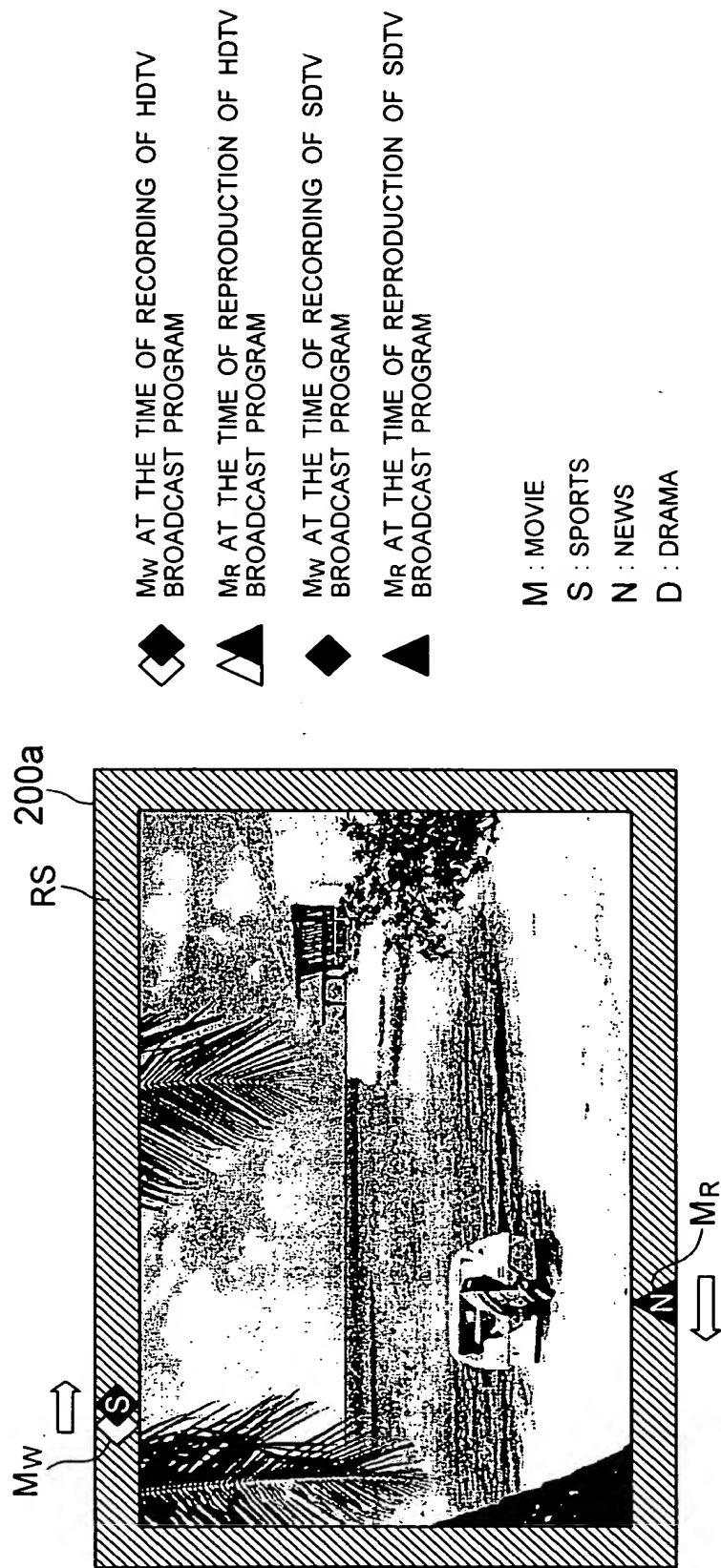
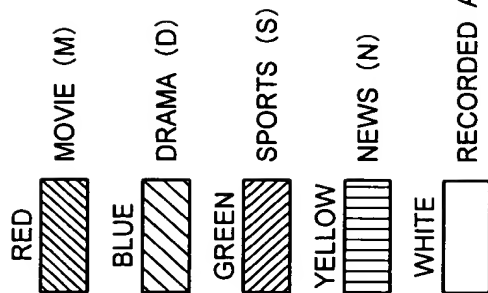
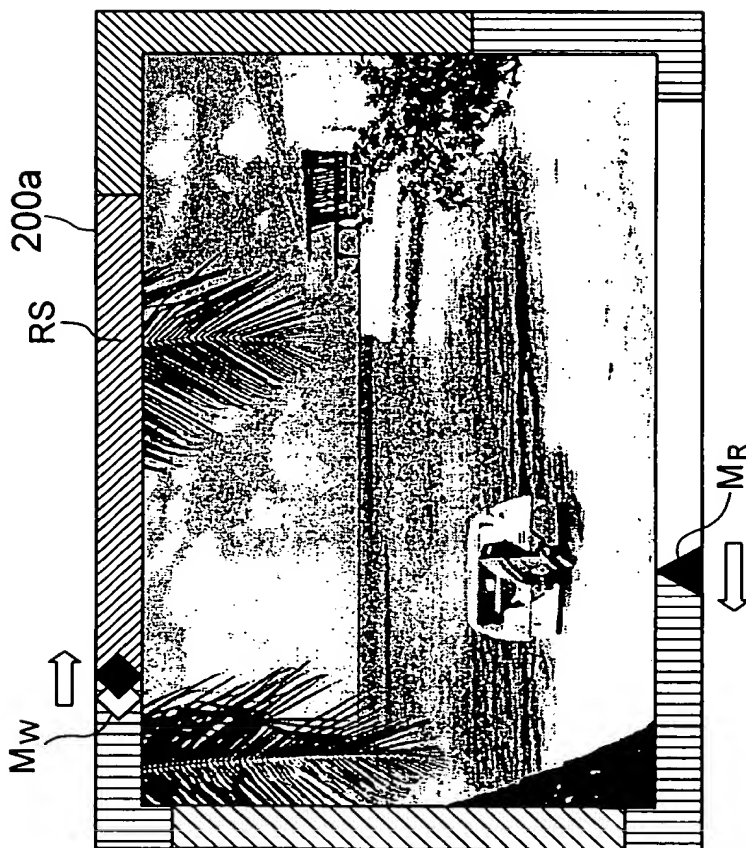


FIG. 7



FORM OF MW

- AT THE TIME OF RECORDING OF SDTV BROADCAST PROGRAM
- AT THE TIME OF RECORDING OF HDTV BROADCAST PROGRAM

FORM OF MR

- AT THE TIME OF REPRODUCTION OF SDTV BROADCAST PROGRAM
- AT THE TIME OF REPRODUCTION OF HDTV BROADCAST PROGRAM



FIG. 8

